



MEDICONNECT

Prof S. A Shinde¹ | Ishan Garud¹ | Vikrant Pradhan¹ | Nazim Udasi¹ | Priyanka Bhangé¹

¹ SKNCOE, SPPU University.

ABSTRACT

In this paper we will be focusing on the use of PIS i.e. Personal Information System to establish a connection between a Patient, Doctor, Pharmacy and Pathology. With the Help of PIS the doctor will be able to access the medical history of a patient and instantly give appointments to the patient, The patient need not worry about carrying their medical records with them where ever they go, all the record will be here in the system. With the use of Adhar Card Number one will not be confused with other individual.

INTRODUCTION

The idea behind the project was to develop a system that establishes a reliable connection between a patient to a doctor, pharmacy and a pathology. There will be a record of each and every session with a doctor what conclusion he makes what are the medicine prescribed and the test that is to be undergone, the test report will be there in the profile of the patient. The patient will also be able to search a doctor with a certianspeciality, by region or by name. After the patient is done with the search he can simply send a request of appointment to the doctor and then the doctor as soon as recieves a notification the doctor can select a suitable time slot when he can entertain the patient. If there's any test to be conducted the patient can take an appointment from the pathology and the pathology will give a suitable time slot when the patient can come for the test, after the test is done the report will be send to the patient and will be stored in the patients record, and after the diagonosis the doctor can prescribe medicine which is also an e-prescription and the patient can go to a pharmacy where the patient can get the medicine. The pharmacy will be able to keep a check on drug use, before asking for any medicine that has to be taken under medical supervison the patient has to login to the system with the help of fingerprint will allow the pharmacist to check weather the patient is prescribed that medicine or not.

Personal information relates to details about an individual whose identity is apparent or can reasonably be ascertained from that information. It includes identifying information (e.g. name, address, date of birth, medical record number) and health information (e.g. diagnosis, treatment). Personal information is confidential and may be particularly sensitive. The information is used for, but not limited to, funding, management, planning, monitoring, improvement and evaluation of health and health services as well as for research purposes. There are four ends to it Doctor Patient Pharmacy and Pathology. The doctor will be able to see the patients previous medical history that will allow him to have a berief idea about the patients health.

This system will not only keep a check the health of an individual and keep a record of all the health transaction and illegal abuse of drugs but also open up a good line of connection between a patient doctor pathology and the pharmacy.

ARCHITECTURE

When we try to realise the Mediconnect system together, we can define it in layers. First layer consists of User interface layer which is defined for patient, doctor, pharmacy and pathology centre. Patient has various options like book an appointment, upload previous medical history etc. Doctor can confirm the appointment, view patients medicalhistory etc. Pharmacist can view the prescription. Pathologist can receive and confirm an appointment, upload and send the test records, etc.

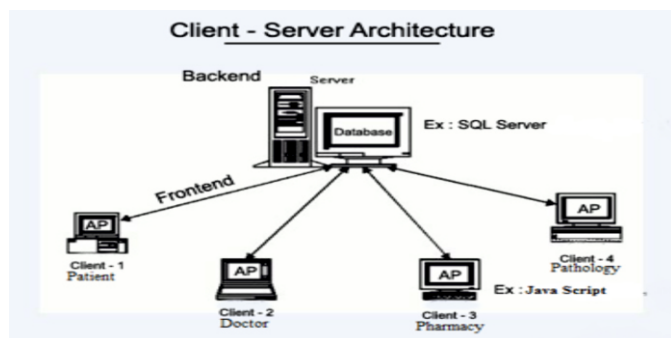


Fig 2: Architecture

CONCLUSION AND FUTURE SCOPE

Hence with our project we provide a good solution to store patient's personal information and Health records altogether at one place. There will not be any burden on the Patient to carry each and every prescription and test record with them every time he/she visits a doctor instead he/she can aggregate their information and store them securely at one place. We have also used database management concepts in our project to maintain and store patient's personal information which is accessible to the doctor for knowing the patients history. Project is implemented with the help of Two Tier Architecture and client server model is used. Web server application acts as the personal information system which allows data synchronization and cloud storage purpose. It also allows Doctor to view current and previous personal medical records in a very convenient way. Patient can update his/her information very easily and securely. This system is also used by the pharmacist and the pathologists to share and notify the medical records via our system directly with the patient and the doctor. So there will be no need to carry the hardcopy of any prescription or a test record wherever they travel.

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